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DataTwist® 5e UTP Cable

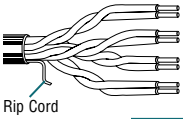
TIA/EIA-568-B.2, Category 5e Unbonded-Pair Cables

DATATWIST®

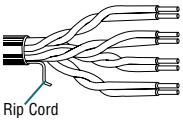
Jameco Part Number 234090 (1583A-006-1000)

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Insulation Thickness		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm										
24 AWG Solid Bare Copper • Twisted Pairs • Rip Cord • See Color Code Chart (below)																					
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Dark Gray or Blue)																					
Rip Cord	**1588A**	NEC:	2	U-1000	U-304.8	14.0	6.4	.008	.20	.183	4.65	9.38	5.0	330	1	2.0	62.3	60	60.8	100±15	20.0
		CM		1000	304.8	15.0	6.8								10	6.5	47.3	41	40.8	100±15	25.0
		CEC:		1640†	500.0	24.6	11.2								16	8.2	44.3	36	36.7	100±15	25.0
		CM													31.25	11.7	39.9	28	30.9	100±15	23.6
															62.5	17.0	35.5	19	24.8	100±15	21.5
															100	22.0	32.3	11	20.8	100±15	20.1
	1588R	NEC:	2	U-1000††	U-304.8	14.0	6.4														
		CMR		1000††	304.8	15.0	6.8														
		CEC:																			
		CMR FT4																			

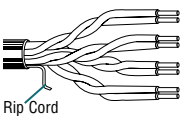
†1640 ft. put-up available in Dark Gray only.
††U-1000 ft. and 1000 ft. put-ups available in Blue only
Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-B.2, Category 5e

Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in White, Black, Dark Gray, Blue, Red, Orange, Yellow, Green or Pink)																					
 Rip Cord	**1583A**	NEC:	4	U-1000	U-304.8	21.0	9.5	.008	.20	.214	5.44	9.38	5.0	330	1	2.0	62.3	60.0	60.8	100±15	20.0
		CM		1000	304.8	21.0	9.5								4	4.1	53.3	49.0	48.7	100±15	23.0
		CEC:		1640†	500.0	34.4	15.7								10	6.5	47.3	41.0	40.8	100±15	25.0
		CM		3000†	914.4	63.0	28.6								16	8.2	44.3	36.0	36.7	100±15	25.0
															31.25	11.7	39.9	28.0	30.9	100±15	23.6
															62.5	17.0	35.4	19.0	24.8	100±15	21.5
															100	22.0	32.3	11.0	20.8	100±15	20.1
															200	32.0	27.8	1.0	14.7	100±25	15.0
	1583R	NEC:	4	U-1000††	U-304.8	22.0	10.0														
		CMR		1000††	304.8	22.0	10.0														
		CEC:		3000††	914.4	66.0	30.0														
		CMR FT4																			

†1640 ft. put-up available in Dark Gray or Blue only. 3000 ft. put-up available in Dark Gray, White or Blue only.
††U-1000 ft. and 1000 ft. put-ups not available in Black. 3000 ft. put-ups available in Dark Gray, White or Blue only.
Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-B.2, Category 5e

Non-Plenum • Polyolefin Insulation • Fluorescent Pink PVC Jacket																					
DataBrite®  Rip Cord	**1583B**	NEC:	4	U-1000	U-304.8	21.0	9.5	.008	.20	.214	5.44	9.38	3.0	330	1	2.0	62.3	60.0	60.8	100±15	20.0
		CMR		1000	304.8	21.0	9.5								4	4.1	53.3	49.0	48.7	100±15	23.0
		CEC:													10	6.5	47.3	41.0	40.8	100±15	25.0
		CMR FT4													16	8.2	44.3	36.0	36.7	100±15	25.0
															31.25	11.7	39.9	28.0	30.9	100±15	23.6
															62.5	17.0	35.4	19.0	24.8	100±15	21.5
															100	22.0	32.3	11.0	20.8	100±15	20.1
															200	32.0	27.8	1.0	14.7	100±25	15.0

Third party verified to TIA/EIA-568-B.2, Category 5e

Non-Plenum • Polyolefin Insulation • UV Resistant PVC Jacket (Available in Gray, White or Ivory)																					
Indoor/Outdoor  Rip Cord	**1594A** new	NEC:	4	U-1000	U-304.8	23.0	10.5	.008	.20	.215	5.46	9.38	3.0	330	1	2.0	62.3	60.0	60.8	100±15	20.0
		CMR/CMX													4	4.1	53.3	49.0	48.7	100±15	23.0
		CEC:													10	6.5	47.3	41.0	40.8	100±15	25.0
		CMR/CMX													16	8.2	44.3	36.0	36.7	100±15	25.0
		FT4													31.25	11.7	39.9	28.0	30.9	100±15	23.6
															62.5	17.0	35.4	19.0	24.8	100±15	21.5
															100	22.0	32.3	11.0	20.8	100±15	20.1
															200	32.0	27.8	1.0	14.7	100±25	15.0

Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-B.2, Category 5e

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: DataTwist 5e

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown